REPORT NO. 79-3-27

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U.S. FOREST SERVICE
DORAVILLE, GEORGIA

LAND OWNERSHIP OR SURVEY AREA: Shoal Creek Ranger District, Talladega National Forest

STATE: Alabama

AREA WITHIN SURVEY BOUNDARY: 200,000 acres

DATE: July 17, 1979

PERCENT COVERAGE: 100%

AIRCRAFT: Cessna 182

CREW: R. F. Bassett (Aerial Survey Team), Tom Pettifield and Kenneth Barker (Shoal Creek Ranger District)

REPORT PREPARED BY: R. F. Bassett

SURVEY OBJECTIVES: Detection of current infestations of southern pine beetle on the Shoal Creek Ranger District.

SURVEY RESULTS

Considerable amounts of dead and dying pine were observed. See Table 1. The largest spot observed contained 100 trees.

CONCLUSIONS

There is no doubt the causal agent responsible for the mortality damage is the southern pine beetle. Although there were fewer infestations than on the adjoining Talladega Ranger District, the populations do appear to be increasing on the Shoal Creek Ranger District. Many of the spots appeared to be increasing in size, and probably contain green infested trees.

For any additional information, contact

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Table 1--Summary of Aerial Survey Data- Shoal Creek Ranger District, Talladega National Forest, Alabama, July 17, 1979.

Ownership	Infestation Size (# Trees)								Total	
	6-20		21-50		51-100		100+			
	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees
National Forest only 100%[1/]	11	149	10	350	3	250	0	0	24	749

1/ Based on flight lines two miles apart with a one mile viewing strip on each side of the plane.